



# SIR196 ESR E5-DETERMINE FEASIBILITY OF REGIONAL AGGREGATION FOR RESERVE-ONLY ESRS

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SouthwestPowerPool



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- **Purpose:**

- ESR developers have discussed with SPP staff the possibility of only providing operating reserves. Generally, within SPP, reserves are not locationally constrained; they can be regional. If ESRS provide only reserves, SPP could consider allowing aggregation of smaller ESRS across the SPP region.
- Recommendation: The ORWG and MWG are to evaluate whether the aggregation of ESRS across the SPP region would be appropriate from operational and market perspectives. If so, the groups should recommend tariff changes.

- **Potential Benefit:**

- This initiative could potentially allow ESRS and other small resources such as DER Aggregations to aggregate on a broader basis if they are only providing Operating Reserves.

- **Known Risks**

- Aggregating resources across multiple nodes has the potential to impact Transmission Constraint loading when the reserves are deployed. This initiative would need to ensure that the multi-nodal aggregation would not negatively impact reliability.

# **SIR196 ESR E5-DETERMINE FEASIBILITY OF REGIONAL AGGREGATION FOR RESERVE-ONLY ESRS**

- **Potential System / Process Impacts**
  - Protocols, Tariff, MDB, MCE, RTGEN, Registration
- **Potential MCE Performance Impact**
  - Medium
- **Potential Complexity**
  - Design: Medium
  - Implementation: Medium
- **Market Philosophy Impacts:**
  - Market Efficiency, Market Reliability, Price Formation